

Phacelia* sp.*OVERLOOKED PHACELIA**

FAMILY: *Hydrophyllaceae*, the waterleaf family.

SYNONYMS: *Phacelia parishii* (misapplied)

STATUS:

Heritage Program SENSITIVE LIST, ranks: G2 S2

USFWS/ESA: none. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** none. **NNNPS:** watch list.

POPULATION CENSUS: 9 occurrences mapped at 1.0 km (0.6 mi) separation, OR 13 occurrences mapped at 0.16 km (0.1 mi) separation; total estimated individuals 106,000+, total estimated area 219+ ha (541+ ac). **TREND:** unknown.

IMPACTS AND MAJOR THREATS: No summary available (see references).

INVENTORY EFFORT: Surveys are ongoing. Most recent entered survey 1993, average year of last survey 1975.

Years since last entered survey (percent of mapped records at various survey ages): **6-10 yrs:** 7.1%; **21-30 yrs:** 78.6%; **31-50 yrs:** 7.1%; **51+ yrs or unknown:** 7.1%.

LAND MANAGEMENT in decreasing predominance: U. S. Department of Energy, U. S. Department of Defense, U. S. Fish and Wildlife Service, U. S. Bureau of Land Management, private lands (?), Nevada state lands (?).

RANGE: Clark, Lincoln (?), and Nye counties, Nevada. **Nevada endemic.** Maximum range dimension 58.8 km (36.6 mi) excluding most disjunct record.

ELEVATIONS RECORDED: 3040-5820 feet (927-1774 meters).

HABITAT: Mostly barren outcrops and silty to clay, often gypsiferous soils derived from white to pinkish volcanic tuff in the creosote-bursage, shadscale, mixed-shrub, and blackbrush zones, often associated with *Atriplex confertifolia*.

PHENOLOGY: flowering spring, from late April to early June. Range of most frequent survey months: May-June.

LIFE-FORM AND HABIT: small annual.

DESCRIPTION: Very similar to *Phacelia parishii*, and might also be confused with *Phacelia beatleyae* on casual inspection.

PHOTOGRAPHS: Smith (1997); Nevada Natural Heritage Program files.

ILLUSTRATIONS: none known.

OTHER GENERAL REFERENCES (listed separately): Cochrane (1979), Rhoads and Williams (1977), Rhoads et al. (1979).

SPECIFIC REFERENCES:

Howell, J. T. 1943. Studies in *Phacelia* - A revision of species related to *P. pulchella* and *P. rotundifolia*. *American Midland Naturalist* 29: 1-26.

Smith, F. 1997. Current knowledge and conservation status of *Phacelia parishii* A. Gray (*Hydrophyllaceae*) in Nevada, September 1996 (second draft 1/17/97). Carson City: Nevada Natural Heritage Program, DRAFT status report prepared for the U. S. Fish and Wildlife Service, Reno.

OF FURTHER INTEREST: An undescribed taxon closely related to *P. parishii* and *P. beatleyae* that occurs on the Nevada Test Site, Nellis Air Force Base, and the Desert National Wildlife Refuge in Nevada.
